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(54) OXIDATION CATALYST FOR CO TO CO₂, REACTION AND USE THEREOF

(57)Abstract:

PURPOSE: To improve the catalyst activity in a reaction comprising oxidation of CO to CO₂, e.g. in vehicle exhausts.

CONSTITUTION: The catalyst composed of particles of a metal oxide, e.g. ceria, mixed with uniformly mixed noble metal particles, is employed. The particles have a high reactivity even without hydrogen reduction pre-treatment, and the catalyst exhibits the anionic vacancies on the oxide surface at a temp. lower than does the corresponding catalyst prepared by impregnation. The catalyst employed is preferably prepared by co-precipitation.

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